

ABSTRACT OF THE DISCLOSURE

The present invention relates to a novel genomic RNA of Japanese encephalitis virus (JEV) and an infectious JEV cDNA therefrom. Particularly, the present invention relates to a full-length genomic RNA of JEV represented by SEQ. ID. No 15 and an infectious JEV cDNA therefrom. JEV genomic RNA and infectious JEV cDNA of the present invention can be used not only for the identification of the JEV genes, but also for the molecular biological studies including JEV replication, transcription, and translation. Moreover, they can also be applied to the development of the therapeutic agents, vaccines, diagnostic reagents, and diagnostic devices for Japanese encephalitis, and can be used as an expression vector for the various foreign genes.